Peak District National Park

Forecast valid from 00:00 on Friday 13 May 2022 until 23:59 on Saturday 14 May 2022

Forecast Issued on Thursday 12 May 2022 at 12:23

Confidence: High for overall story and Friday's conditions, but notably lower for detail of pulse of rain and showers spreading northwards through Sunday.

Headline for Friday 13 May 2022: Cloudy and breezy at first Friday. Brighter with some warm, if rather hazy, sunny spells possible later.

Mountain weather hazards on Friday 13 May 2022

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
Low Likelihood

Severe chill effect
Low Likelihood

Poor visibility
No Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
Medium Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Cloudy	Cloudy	Sunny intervals	Sunny intervals	Sunny intervals	Cloudy
Precipitation probability							
00%	00%	00%	00%	00%	00%	00%	00%

Forecast for Friday 13 May 2022

Weather: Mainly dry but rather cloudy through the early hours, with the breeze helping to prevent a frost. Rather cloudy from daybreak, with this perhaps grazing the highest ground before developing breaks later in the morning, allowing many spells of hazy sunshine under gradually thickening high cloud. Feeling increasingly warm in sheltered valleys, but strong winds at height will substantially limit this. Becoming cloudier once again into the evening.

Chance of cloud-free hill tops above 600m: 70 increasing 90 percent. Odds deteoriorating in the evening.

Low cloud and visibility: Areas of cloud around the highest ground first thing should thin and break through the morning. Visibility generally very good outside of this, but deteorioating in the evening.

Forecast for Friday 13 May 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	25/33 SW	21/30 SW	23/31 SW	23/33 W	25/36 W	26/38 W	22/32 W	18/27 SW	15/21 SW
300	18/26 SW	16/24 SW	15/23 SW	17/27 W	20/31 W	20/32 W	16/26 W	12/21 SW	9/16 SW
Valley	12/26 SW	11/23 SW	10/22 SW	14/27 W	17/32 W	17/33 W	14/27 W	9/20 SW	5/14 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	6/1	6/1	6/1	8/4	11/7	12/8	11/8	8/5	7/4
300	9/5	8/5	8/5	11/8	14/10	15/11	14/11	11/8	9/7
Valley	10/7	9/6	9/7	12/10	15/12	16/12	15/12	12/10	10/8
Freezing Level*	1500m	1500m	1400m	1500m	1700m	1800m	1700m	1600m	1500m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

The strength of the wind at height will make clothing layers a sensible prospect. Early cloud should clear, with UV relatively unattenuated by thin high cloud expected later – adequate precautions are advised.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Thu 12 May 2022	0mm	14.2mm	14.4mm

Forecast for Saturday 14 May 2022

Weather: Likely a chilly and murky start in places, with lighter winds meaning areas of low cloud should develop around dawn. These should clear to warm sunshine by mid-morning, with the day then dry with noticeably lighter winds compared to Friday. Conditions probably deterioirating late on, with cloud invading from the south, although heavy and potentially thundery showers should hold off until later in the night.

Maximum wind: Variable 10-15mph

Chance of cloud-free hill tops above 600m: 40 percent improving greater than 90.

Low cloud and visibility: Areas of low cloud down to 400 metres first thing, soon comfortably clearing the peaks after daybreak. Limited visibility in early humidity, but becoming good later.

Temperature: **Valleys:** Plus 2 becoming plus 20 Celsius.
At 600m: Plus 9 Celsius.
Freezing level: Well above the peaks.